

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```

LL          IIIII
LL          IIIII
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LL          II
LLLLLLLLLLLL IIIII
LLLLLLLLLLLL IIIII
SSSSSSSS
SSSSSSSS
SS
SS
SS
SS
SSSSSS
SSSSSS
SS
SS
SS
SS
SSSSSSSS
SSSSSSSS

```

```
0001 0 ZTITLE 'WORKIO - module for all i/o to workfile'
0002 0 MODULE EDT$WORKIO (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *****
0028 1
0029 1
0030 1
0031 1 ++
0032 1 FACILITY:      EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1      This is the basic file i/o routine used by EDT.
0037 1
0038 1 ENVIRONMENT:  Runs on Vax/Vms
0039 1
0040 1 AUTHOR: Shelly T. Solomon, CREATION DATE: 29-JAN-1982
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original.  STS 29-Jan-1982
0045 1 1-002 - Change parameter passed to edt$wf_rd on 11's STS 16-Feb-1982
0046 1 1-003 - Pass address of record desc to edt$wf_rd. STS 26-Feb-1982
0047 1 1-004 - Add literals for callable EDT. STS 08-Mar-1982
0048 1 1-005 - Return correct status to caller. STS 10-Mar-1982
0049 1 1-006 - Fix module name and standardize appearance. JBS 07-Apr-1982
0050 1 1-007 - Return status from closing work file. JBS 12-Apr-1982
0051 1 1-008 - Don't use special linkage on 11's. STS 03-Jun-1982
0052 1 1-009 - Don't need special linkage on VAX-11 either. JBS 22-Mar-1983
0053 1
0054 1
```



```
.. 56      0055 1  %SBTTL 'Declarations'
.. 57      0056 1
.. 58      0057 1  TABLE OF CONTENTS:
.. 59      0058 1
.. 60      0059 1
.. 61      0060 1  REQUIRE 'EDT$SRC:TRAROUNAM';
.. 62      0499 1
.. 63      0500 1  FORWARD ROUTINE
.. 64      0501 1      EDT$WORKIO;
.. 65      0502 1
.. 66      0503 1
.. 67      0504 1  INCLUDE FILES:
.. 68      0505 1
.. 69      0506 1
.. 70      0507 1  REQUIRE 'EDT$SRC:EDTREQ';
.. 71      0642 1
.. 72      L 0643 1  %IF %BLISS (BLISS32)
.. 73      0644 1  %THEN
.. 74      0645 1
.. 75      0646 1  REQUIRE 'EDT$SRC:SYSSYM';
.. 76      0676 1
.. 77      0677 1  %FI
.. 78      0678 1
.. 79      0679 1
.. 80      0680 1  MACROS:
.. 81      0681 1
.. 82      0682 1      NONE
.. 83      0683 1
.. 84      0684 1  EQUATED SYMBOLS:
.. 85      0685 1
.. 86      0686 1
.. 87      L 0687 1  %IF %BLISS (BLISS32)
.. 88      0688 1  %THEN
.. 89      0689 1
.. 90      0690 1  LITERAL
.. 91      0691 1      EDT$K_FAC_NO = 133;
.. 92      0692 1
.. 93      0693 1  %FI
.. 94      0694 1
.. 95      0695 1  LITERAL
.. 96      0696 1      EDT$K_OPEN_IN_OUT = 4;
.. 97      0697 1      EDT$K_GET = 5;
.. 98      0698 1      EDT$K_PUT = 6;
.. 99      0699 1      EDT$K_CLOSE_DEL = 7;
100      0700 1
101      0701 1
102      0702 1
103      0703 1  FIELDS:
104      0704 1
105      0705 1      NONE
106      0706 1
107      0707 1  PSECTS:
108      0708 1
109      0709 1      none
110      0710 1
111      0711 1  OWN STORAGE:
112      0712 1
```

EDT\$WORKIO
V04-000

WORKIO - module for all i/o to workfile
Declarations

H 2
16-Sep-1984 02:17:46
14-Sep-1984 12:25:50

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]WORKIO.BLI;1 Page 3 (2)

```

: 113      0713 1  | in the routine
: 114      0714 1  |
: 115      0715 1  | EXTERNAL REFERENCES:
: 116      0716 1  |
: 117      0717 1  | in the routine
: 118      0718 1  |

```

```
120 0719 1 XSBTTL 'EDT$WORKIO - Basic EDT workfile routine'
121 0720 1
122 0721 1 GLOBAL ROUTINE EDT$WORKIO (
123 0722 1     CODE,
124 0723 1     RECORD_NO,
125 0724 1     RECORD_DESC
126 0725 1 ) =
127 0726 1
128 0727 1 ++
129 0728 1 FUNCTIONAL DESCRIPTION:
130 0729 1
131 0730 1 This is the basic work file i/o routine for EDT. Callable EDT calls this
132 0731 1 routine to do any i/o to or from the workfile if this is the routine passed to it by the calling
133 0732 1 program. This is the routine passed to callable EDT by the "real" EDT.
134 0733 1
135 0734 1 CALLING SEQUENCE:
136 0735 1
137 0736 1     ret_status.wlc.v = EDT$WORKIO (code.rl.r, record_no.rl.r, record_desc.rbu.dx)
138 0737 1
139 0738 1 FORMAL PARAMETERS:
140 0739 1
141 0740 1 code = a code specifying what kind of i/o operation on the workfile
142 0741 1 is desired
143 0742 1
144 0743 1 record_no = for gets and puts this is the bucket number
145 0744 1
146 0745 1 record_desc = for gets and puts a descriptor pointing to the contents
147 0746 1 of the bucket
148 0747 1
149 0748 1 IMPLICIT INPUTS:
150 0749 1
151 0750 1     NONE
152 0751 1
153 0752 1 IMPLICIT OUTPUTS:
154 0753 1
155 0754 1     NONE
156 0755 1
157 0756 1 COMPLETION STATUS:
158 0757 1
159 0758 1     Normally SSS_NORMAL
160 0759 1
161 0760 1 SIDE EFFECTS:
162 0761 1
163 0762 1     NONE
164 0763 1
165 0764 1 --
166 0765 1
167 0766 2 BEGIN
168 0767 2
169 0768 2 MAP
170 0769 2     RECORD_DESC : REF BLOCK [8, BYTE];
171 0770 2
172 0771 2 EXTERNAL ROUTINE
173 0772 2     EDT$WF_OPN,
174 0773 2     EDT$WF_CLS,
175 0774 2     EDT$WF_WR,
176 0775 2     EDT$WF_RD;
```

```
! Basic EDT workfile routine
! Operation to perform
! record number to perform it on
! Descriptor for the record
```

```
! open the workfile
! close the workfile
! write a record to the work file
! read a record from the workfile
```



```

177 0776
178 0777
179 0778
180 0779
181 0780
182 0781
183 0782
184 0783
185 0784
186 0785
187 0786
188 0787
189 0788
190 0789
191 0790
192 0791
193 0792
194 0793
195 0794
196 0795
197 L 0796
198 0797
199 0798
200 U 0799
201 U 0800
202 0801
203 0802
204 0803
205 0804
206 0805
207 0806
208 0807
209 0808
210 L 0809
211 0810
212 0811
213 U 0812
214 U 0813
215 0814
216 0815
217 0816
218 0817
219 0818
220 0819
221 0820
222 0821
223 0822
224 0823
225 0824
226 0825
227 0826
228 0827
229 0828
230 0829
231 0830

MESSAGES ((WRKFILOVF, INTERERR, IOERRWRK));

LOCAL
    STATUS,
    IO_STS,
    IO_STV;

CASE .CODE FROM EDT$K_OPEN_IN_OUT TO EDT$K_CLOSE_DEL OF
    SET ! over all the code options

    [EDT$K_OPEN_IN_OUT] : ! open for input and output.
        BEGIN
            STATUS = EDT$$WF_OPN ();
            RETURN (.STATUS);
        END;

    [EDT$K_GET] : ! we wish to get a record from a file
        BEGIN
            IF %BLISS (BLISS32)
            %THEN
                EDT$$WF_RD (.RECORD_NO, .RECORD_DESC);
            %ELSE
                EDT$$WF_RD (.RECORD_NO, RECORD_DESC [DSC$A_POINTER]);
            %FI

            RETURN (1);
        END;

    [EDT$K_PUT] : ! we wish to put a record to a file
        BEGIN
            IF %BLISS (BLISS32)
            %THEN
                EDT$$WF_WR (.RECORD_NO, .RECORD_DESC);
            %ELSE
                EDT$$WF_WR (.RECORD_NO);
            %FI

            RETURN (1);
        END;

    [EDT$K_CLOSE_DEL] :
        BEGIN
            STATUS = EDT$$WF_CLS ();
            RETURN (.STATUS);
        END;

    [INRANGE, OUTRANGE] :
        ASSERT (0);
        TES;

    RETURN (1);
END;

! End of routine EDT$WORKIO

```

EDT\$WORKIO
V04-000

WORKIO - module for all i/o to workfile
EDT\$WORKIO - Basic EDT workfile routine

K 2
16-Sep-1984 02:17:46
14-Sep-1984 12:25:50

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DISK\$VMSMASTER:[EDT.SRC]WORKIO.BLI;1 Page 6
(3)

:

0034	03 0027	04 001A	04 BC 0011	0004 00000 CF 00002 00007 1\$:
	00000000G	00	00	FB 0000F
	00000000G	00	2E	11 00016
			00	FB 00018 2\$:
			21	11 0001F
	00000000G	7E	08	AC 7D 00021 3\$:
		00	02	FB 00025
			18	11 0002C
	00000000G	7E	08	AC 7D 0002E 4\$:
		00	02	FB 00032
			0B	11 00039
	00000000G	00	00	FB 0003B 5\$:
		52	50	D0 00042 6\$:
			04	00045
		50	01	D0 00046 7\$:
			04	00049

.TITLE EDT\$WORKIO WORKIO - module for all i/o to workf
ile

.IDENT \V04-000\

.EXTRN EDT\$SWF_OPN, EDT\$SWF_CLS
.EXTRN EDT\$SWF_WR, EDT\$SWF_RD
.EXTRN EDT\$WRRFILOVF, EDT\$INTERERR
.EXTRN EDT\$IOERRWRK, EDT\$INTER_ERR

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$WORKIO, Save R2

CASEL @CODE, #4, #3

.WORD 2\$-1\$,-

3\$-1\$,-

4\$-1\$,-

5\$-1\$

CALLS #0, EDT\$INTER_ERR

BRB 7\$

CALLS #0, EDT\$SWF_OPN

BRB 6\$

MOVQ RECORD NO, -(SP)

CALLS #2, EDT\$SWF_RD

BRB 7\$

MOVQ RECORD NO, -(SP)

CALLS #2, EDT\$SWF_WR

BRB 7\$

CALLS #0, EDT\$SWF_CLS

MOVL R0, STATUS

RET

MOVL #1, R0

RET

0721
0784

0826
0784
0789

0798

0803
0811

0816
0821

0822
0829
0830

; Routine Size: 74 bytes, Routine Base: _EDT\$CODE + 0000

; 232 0831 1
; 233 0832 1 !<BLF/PAGE>

EDT\$WORKIO
V04-000

WORKIO - module for all i/o to workfile
EDT\$WORKIO - Basic EDT workfile routine

L 2
16-Sep-1984 02:17:46
14-Sep-1984 12:25:50

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]WORKIO.BLI;1

Page 7
(4)

: 235 0833 1 END
: 236 0834 1
: 237 0835 0 ELUDOM

End of module EDT\$WORKIO

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	74	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	2	0	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:04.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:WORKIO/OBJ=OBJ\$:WORKIO MSRC\$:WORKIO.BLI/UPDATE=(ENHS\$:WORKIO)

: Size: 74 code + 0 data bytes
: Run Time: 00:16.6
: Elapsed Time: 00:23.3
: Lines/CPU Min: 3023
: Lexemes/CPU-Min: 8353
: Memory Used: 82 pages
: Compilation Complete

0142 AH-BT13A-SE
VAX/VMS V4.0

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